

**TDX North Slope Generating, Inc.**  
**Cost of Power Adjustment (COPA)/ Small Facility Power Purchase Rate (SFPPR)**  
**Update Memorandum**

Date: **May 23, 2022**

Utility Name <b>TDX North Slope Generating, LLC</b>	Utility File No. <b>TA206-227</b>	Date Filed: <b>March 30, 2022</b>
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FILING SUMMARY		
Statutory Deadline: May 31, 2022	Tariff Sheets recommended for approval: Tariff Sheet No. 62 Filed on March 30, 2022 Tariff Sheet No. 79 Filed on March 30, 2022	Staff Recommended Effective Date: April 8, 2022
Side-by-side Tariff Sheets attached as Appendix 3		

COPA SUMMARY				
Prior Commission Determination TA Number and Effective Date	Prior Commission Determination (\$/kWh)	Staff Recommended Determination (\$/kWh)	Change (\$/kWh)	
TA204-227 1/3/2022	\$0.06847	\$0.06760	(\$0.00087)	

SFPPR SUMMARY				
Prior Commission Determination TA Number and Effective Date	Prior Commission Determination (\$/kWh)	Staff Recommended Determination (\$/kWh)	Change (\$/kWh)	
TA204-227 1/3/2022	\$0.0650	\$0.0648	(\$0.0002)	

Additional Staff Recommendation				

Signed: Heather Jesse Utility Tariff Analyst  
Heather Jesse

**Reasons for the above recommendations: See Attached Memorandum**

	DATE, IF DIFFERENT FROM 5/23/2022	I CONCUR	I DO NOT CONCUR	I WILL WRITE A DISSENTING STATEMENT*
Pickett		RMP		
Doyle				
Kurber		KKZ		
Sullivan		SL DS		
Wilson		JWW JWW		

Special Instructions to Staff: \_\_\_\_\_

\* If this column is initialed, Staff will contact the Commissioner for the statement. Otherwise, dissent will be noted at the close of the By Direction Letter or Order.

**TDX North Slope Generating, Inc.**  
**Cost of Power Adjustment (COPA)/ Small Facility Power Purchase Rate (SFPPR)**  
**Update Memorandum**

To: Robert M. Pickett, Chairman  
Robert A. Doyle  
Keith Kurber II  
Daniel A. Sullivan  
Janis W. Wilson

Date: May 23, 2022

File: TA206-227

Utility: TNSG

From: Heather Jesse

Subject: COPA/SFPPR

COPA Comments:

Staff reviewed this tariff filing to ensure compliance with applicable regulations (3 AAC 48.200-3 AAC 48.430). Staff also reviewed the proposed tariff sheets to ensure the stated text is easily understood, and the tariff provisions clearly and comprehensively describe and address the situation to which the tariff provision applies. When approving the tariff filing, the Commission must be assured that proposed rates and services are just, reasonable, and non-discriminatory. Proposed revisions to the COPA surcharge are reviewed under 3 AAC 52.504, which requires information supporting entries in the balancing account for the historical period, and support for projections for the future period.

Staff Notes:

Appendix 2 shows the estimated total costs decreased from \$861,202.10 to \$695,095.68, the estimated balancing account decreased from \$100,901.45 to \$50,382.20, and the estimated retail sales decreased from 14,050,495 kWh to 11,028,376 kWh. The downward pressure from the decrease in estimated costs and the decrease in the estimated balancing account balance offsets the upward pressure from the decrease in estimated retail sales. The result is a decrease of TNSG's COPA from \$0.06847/kWh to \$0.06760/kWh.

Staff Recommendation:

The Commission should approve Tariff Sheet No. 79, filed March 30, 2022, by TDX North Slope Generating, LLC in TA206-227. The effective date of the tariff sheet should be April 8, 2022.

SFPPR Comments:

TNSG's tariff provides that the rate at which power will be purchased from qualifying facilities with a design capacity of 100kW or less is calculated based upon the amount of natural gas generation used in the most recent quarter, updated to reflect the current price of fuel, divided by the number of kWh sold in the most recent quarter.

Staff Notes:

TNSG proposes an SFPPR of \$0.0648/kWh, which is a decrease of \$0.0002/kwh from the previously approved SFPPR of \$0.0650/kWh.

Staff Recommendation:

The Commission should approve Tariff Sheet No. 62, filed March 30, 2022, by TDX North Slope Generating, LLC in TA206-227. The effective date of the tariff sheet should be April 8, 2022.

**TDX North Slope Generating, LLC**  
Calculation and Comparison of 31,500 kWh Bill  
TA206-227

Customer Bills	Prior Determination (\$/kWh)	Updated Determination (\$/kWh)	Change
Surcharge (\$/kWh)	\$0.06847	\$0.06760	(\$0.00087)
<b>31500 kWh Customer Bill</b>			
Energy @ \$0.1403/kWh	\$4,756.50	\$4,756.50	\$0.00
Customer Charge (3-Phase Service)	\$373.84	\$373.84	\$0.00
Regulatory Cost Charge @ \$0.000884/kWh	\$32.00	\$32.00	\$0.00
Surcharge Amount (\$)	\$2,156.81	\$2,129.40	(\$27.41)
Total Customer Bill (\$)	\$7,319.15	\$7,291.74	(\$27.41)

**TDX North Slope Generating, LLC.**  
Cost of Power Adjustment Amount  
TA206-227

Calculation of Cost of Power Adjustment		
Line Description	Prior Determination (\$/kWh)	Updated Determination (\$/kWh)
A Estimated Per Unit Fuel Cost	\$ 4.40	\$ 4.400
B Estimated Fuel Consumption	195,728	157,976.00
C Estimated Per Unit Power Cost	-	-
B Estimated Power Consumption	-	-
D Total Estimated Fuel Cost	\$ 861,203.20	\$ 695,094.40
E Balancing Account Balance	\$ 100,901.45	\$ 50,382.20
F Total (D+E)	\$ 962,104.65	\$ 745,476.60
G Estimated Retail Sales	14,050,495	11,028,376
H Projected Cost of Power (F/G)	\$ 0.06847	\$ 0.06760
I Base Cost of Power	\$ -	\$ -
J Cost of Power Adjustment Amount (H-I)	\$ 0.06847	\$ 0.06760

Staff Comments:	
<p>3 AAC 52.504(i) provides that an electric utility may request the correction or adjustment of actual entries in the COPA balancing account. The utility must describe, quantify, and justify each proposed adjustment. In TA206-227 TNSG proposes two adjustments, one for (43.62 in November 2021 and one for \$158.54 in December 2021 related to the correction of billing errors. The total effect is an increase to the balancing account of \$114.92, to correct for the over billed COPA surcharge. Staff reviewed the invoices and supporting documentation TNSG provided for this adjustment and correction. Staff believes that TNSG has described, quantified, and justified the proposed adjustment. Therefore, Staff recommends the Commission allow the proposed adjustment and correction.</p>	

Actual Costs			
	Prior Determination (\$/kWh)	Updated Determination (\$/kWh)	Change
Per Unit Fuel Cost	\$ 4.40	\$ 4.40	\$ -
Total Fuel Cost	\$ 529,885.79	\$ 805,230.24	\$ 275,344.45
Balancing Account	\$ 100,901.45	\$ 50,382.20	\$ (50,519.25)

  

Actual Revenues			
	Prior Determination (\$/kWh)	Updated Determination (\$/kWh)	Change
Sales	\$ 8,152,855	\$ 12,412,943	\$ 4,260,088
COPA Surcharge Revenues	\$ 516,900.84	\$ 725,883.12	\$ 208,982.28
Base Cost Revenues	\$ -	\$ -	\$ -

**Signature:** 

**Email:** bob.pickett@alaska.gov

**Signature:**   
Keith Kurber II (May 23, 2022 13:32 AKDT)

**Email:** keith.kurber@alaska.gov

**Signature:**   
Daniel Sullivan (May 23, 2022 14:50 AKDT)

**Email:** daniel.sullivan@alaska.gov

**Signature:**   
Janis W. Wilson (May 23, 2022 16:04 AKDT)

**Email:** janis.wilson@alaska.gov

RCA No. 227    31st    Revision    Sheet No.    62  
Cancelling    30th    Revision    Sheet No.    62

**RECEIVED**  
**DEC 17 2021**  
STATE OF ALASKA  
REGULATORY COMMISSION OF ALASKA

**TDX NORTH SLOPE GENERATING, INC.**

**RULES AND REGULATIONS**  
**Section 11 - Purchases of Power from Qualifying Facilities**

**11.1 Small Facility Power Purchase Rate**

The rate at which the Utility will purchase energy from qualifying facilities with a design capacity of 100 kW or less is calculated based upon the amount of natural gas generation used in the most recent quarter, updated to reflect the current price of fuel, divided by the number of kWh sold in the most recent quarter.

A.	Amount of natural gas used		120,359	MMBtu	
B.	Current price of delivered natural gas		4.40	\$/MMBtu	
C.	Total Fuel Costs	A x B	\$	529,578	
D.	kWh sold		8,152,855	kWh	
E.	Small Facility Power Purchase Rate	C / D	6.50	c/kWh	I

Tariff Advice No.    TA204-227    Effective: January 3, 2022

Issued by : **TDX NORTH SLOPE GENERATING, INC.**

By :    John G. Lyons    Title : TDX Power President

RCA No. 227    32nd    Revision    Sheet No.    62  
Cancelling    31st    Revision    Sheet No.    62



**TDX NORTH SLOPE GENERATING, INC.**

**RULES AND REGULATIONS**  
**Section 11 - Purchases of Power from Qualifying Facilities**

**11.1 Small Facility Power Purchase Rate**

The rate at which the Utility will purchase energy from qualifying facilities with a design capacity of 100 kW or less is calculated based upon the amount of natural gas generation used in the most recent quarter, updated to reflect the current price of fuel, divided by the number of kWh sold in the most recent quarter.

A.	Amount of natural gas used		182,901	MMBtu	
B.	Current price of delivered natural gas		4.40	\$/MMBtu	
C.	Total Fuel Costs	A x B	\$	804,763	
D.	kWh sold		12,412,944	kWh	
E.	Small Facility Power Purchase Rate	C / D	6.48	c/kWh	R

Tariff Advice No.    TA206-227    Effective

Issued by : **TDX NORTH SLOPE GENERATING, INC.**

By :    John G. Lyons    Title : TDX Power President

RCA NO. 227 74TH Revision SHEET NO. 79  
CANCELLING 73RD Revision SHEET NO. 79

**RECEIVED**  
**DEC 17 2021**  
STATE OF ALASKA  
REGULATORY COMMISSION OF ALASKA

TDX NORTH SLOPE GENERATING, INC.			
COST OF POWER ADJUSTMENT			
(1) <b>Estimated Costs for 3 month Period Beginning</b>		DECEMBER 1, 2021	
Source	Estimated Quantity	Estimated Unit Cost	Estimated Total Cost
Purchased Power	0 kwh	\$ 0.0326 /kwh	0
Natural Gas	195,728 MMBtu	\$ 4.40 /MMBtu	861,202.10 I
Diesel Fuel	0 gal	\$ 5.0825 /gal	0
(1) Total			\$ 861,202.10 I
(2) Balance in Cost of Power Estimated Balancing Account as of	November 30, 2021	\$100,901.45	I
Balance in Actual Balancing Account as of September 30, 2021 \$11,698.36			
(3) Total (1) and (2) above			962,103.55 I
(4) Estimated Retail Energy Sales for Three Months (kwh)			14,050,495 I
(5) Projected Cost of Power [(3)/(4)]		\$ 0.06847 /kwh	I
(6) Base Cost of Power		0.00000 /kwh	
(7) Cost of Power Adjustment [(5)-(6)] for Period Beginning	DECEMBER 1, 2021	\$ 0.06847 /kwh	I
Tariff Advice No. <u>TA204-227</u> Effective: January 3, 2022			

Issued by: TDX NORTH SLOPE GENERATING, INC.  
By : John G. Lyons Title : TDX Power President

RCA NO. 227 75TH Revision SHEET NO. 79  
CANCELLING 74TH Revision SHEET NO. 79



TDX NORTH SLOPE GENERATING, INC.			
COST OF POWER ADJUSTMENT			
(1) <b>Estimated Costs for 3 month Period Beginning</b>		JANUARY 1, 2022	
Source	Estimated Quantity	Estimated Unit Cost	Estimated Total Cost
Purchased Power	0 kwh	\$ 0.0326 /kwh	0
Natural Gas	157,976 MMBtu	\$ 4.40 /MMBtu	695,095.68 R
Diesel Fuel	0 gal	\$ 5.0825 /gal	0
(1) Total			\$ 695,095.68 R
(2) Balance in Cost of Power Estimated Balancing Account as of	February 28, 2022	\$50,382.20	R
Balance in Actual Balancing Account as of December 31, 2021 \$91,160.42			
(3) Total (1) and (2) above			745,477.89 R
(4) Estimated Retail Energy Sales for Three Months (kwh)			11,028,376 R
(5) Projected Cost of Power [(3)/(4)]		\$ 0.06760 /kwh	R
(6) Base Cost of Power		0.00000 /kwh	
(7) Cost of Power Adjustment [(5)-(6)] for Period Beginning	JANUARY 1, 2022	\$ 0.06760 /kwh	R
Tariff Advice No. <u>TA206-227</u> Effective			

Issued by: TDX NORTH SLOPE GENERATING, INC.  
By : John G. Lyons Title : TDX Power President

TA206-227  
Appendix 3